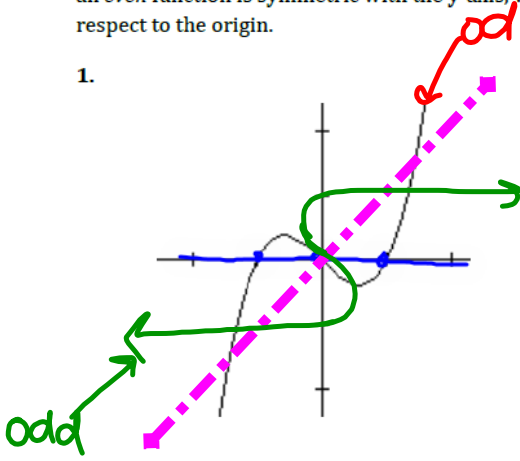
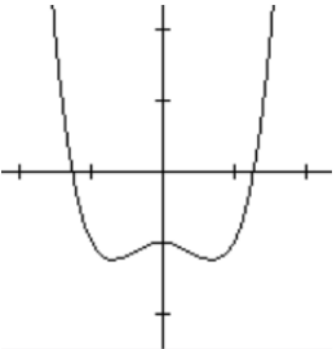

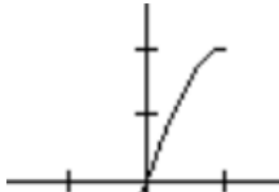


Questions on 6.10 homework?

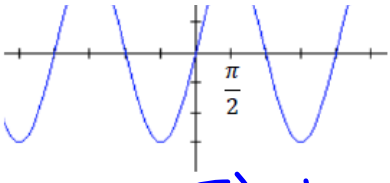
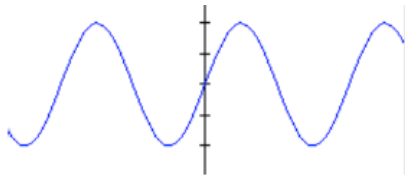
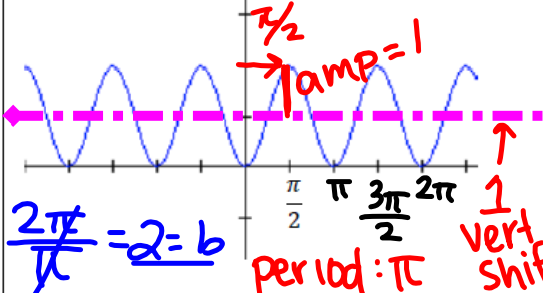
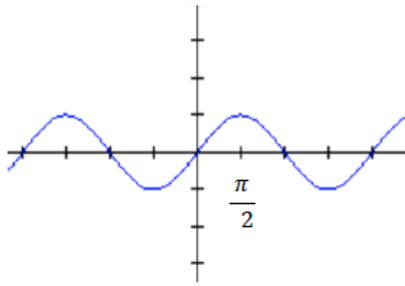
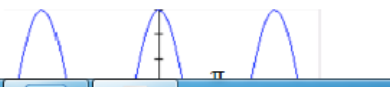
Unit Circle Quiz next Thursday...

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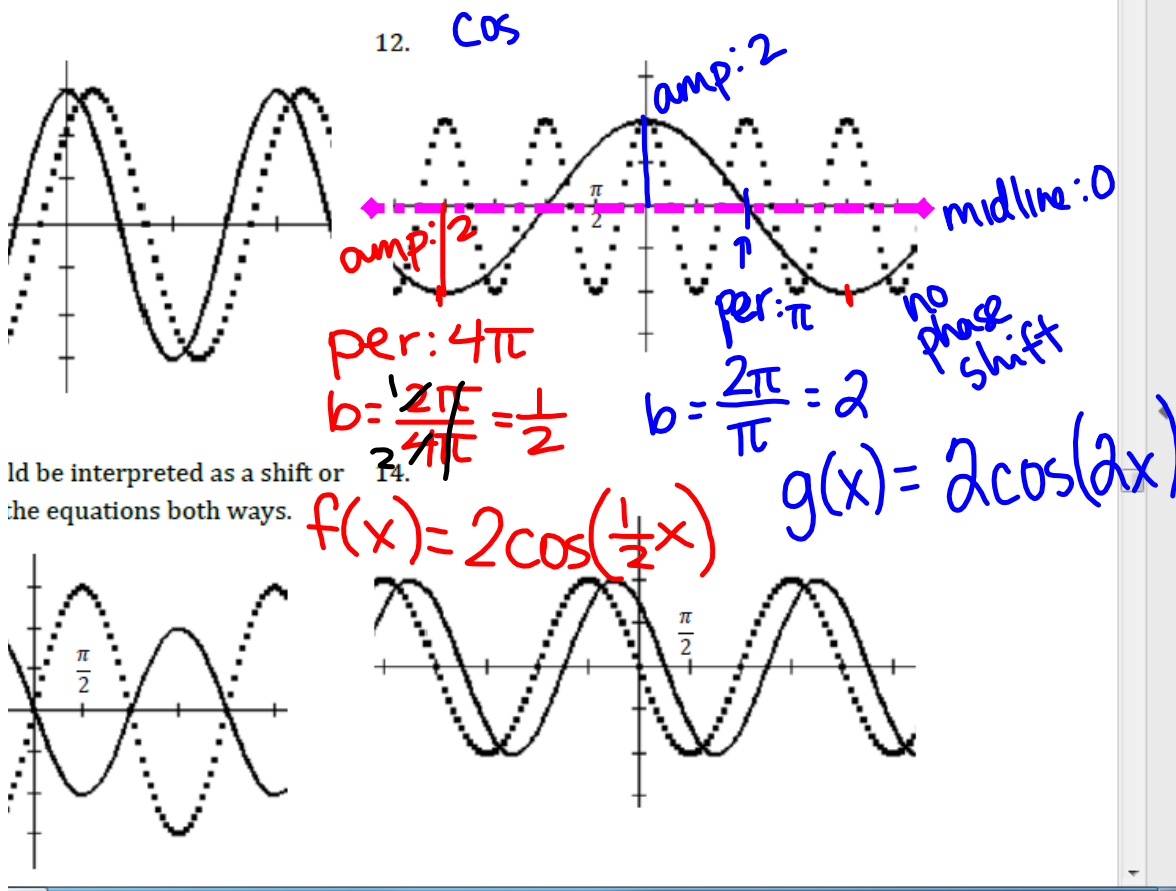
(Remember, the inverse will reflect across the $y = x$ line. Sketch that in, too.) Finally, label each one as *even*, *odd*, or *neither*. Recall that an *even* function is symmetric with the y -axis, while an *odd* function is symmetric with respect to the origin.

1. 
2. 
3. 
4. 

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<p>7. $y = \cos x$ $y = 1 \cdot \cos(2x - \frac{\pi}{2}) + 1$ <i>phase shift</i> $\frac{\pi}{2}$ <i>amp = 1</i> $\frac{2\pi}{\pi} = 2 = b$ <i>period: π</i> <i>vert. shift</i></p> 	<p>8. $y = \cos x$</p> 
<p>9. $y = \sin x$</p> 	<p>10. The cofunction identity states that $\sin \theta = \cos(90^\circ - \theta)$ and $\sin(\theta - 90^\circ) = \cos \theta$. How does this identity relate to the graph in #9?</p>

relationships between the graphs of f (solid) and g (dotted). Then write their



should be interpreted as a shift or
the equations both ways.

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Sketch the graph of the function. (Include 2 full periods. Label t

15. $y = 3 \sin\left(x - \frac{\pi}{2}\right)$

16. $y = -:$

8.50 x 11.00 in

20. $\sin \theta = 0$

21. $\sin \theta = -\frac{\sqrt{3}}{2}$
y value
 $\frac{4\pi}{3}, \frac{5\pi}{3}$

22. $\cos \theta = -\frac{\sqrt{3}}{2}$

